

TOMIC, Milan, Dr; OBMERIKIC, Mihailo, dr

Sacral pain in gynecological diseases. Med.glasn. 9 no.1:23-27 Jan  
55.

1. Ginekolosko-akuserska klinika u Beogradu (upravnik prof. dr S.  
Tasovic).

(GYNECOLOGICAL DISEASES, manifestations,  
sacral pain)  
(BACKACHE,  
sacral, in gyn. dis.)

TOMIC, Milan, M.

Newest concepts on gonadotropic hormones. Srpski arh. celok.  
lek. 84 no.6:771-778 June 56.

1. Ginekolosko-akuserska klinika Medicinskog fakulteta u  
Beogradu Upravnik: prof. dr. Sinisa Tasovac,  
(GONADOTROPINS  
(Ser))

TOMIC, Milan, dr.

Sex hormones and their application. Med. glasn. 8 no.6:206-210  
June 54.

1. Ginekolosko-akuserska klinika Medicinskog fakulteta u Beogradu  
(upravnik prof. dr. S.Tasovac)  
(SEX HORMONES, ther. use)

TOMIC, Milan

TOMIC, Milan, dr.; LISCIG, Velimir, dr.

Indications and methods of spontaneous interruption of pregnancy  
during the second trimenon. Med. glasn. 8 no.3-4:134-135 Mar-  
Apr 54.

1. Ginekolosko-akuserska klinika Medicinskog fakulteta u Beogradu  
(upravnik prof. dr. S. Tascvac)

(ABORTION, INDUCED)

\*indic. & methods during second trimenon)

SKURINA, Tatjana, dr.; TOMIC, Milan, dr. asist.

Total hysterectomy according to Aldridge. Srp arhiv lekar 82  
no.4:510-515 Ap '54. (ZEAL 3:7)

1. Ginekolosko-akuserska klinika Medicinskog fakulteta u Beogradu.  
Upravnik: prof. dr. Sinisa Tasovac. (Rad je Urednistvo primilo  
16-IX-1953 god.)  
(UTERUS, surg.  
\*hysterectomy, total, Aldridge's technic)

MITROVICI, Olga; MILOVIC, Nedelja; JUBRAJEVIC, Vera

Use of subconjunctival radiotherapy in chronic eye diseases.  
Srpski arh. lek., 92, no. 2:173-179 F'64.

1. Oca. Klinika Radioterapije fakulteta Univerziteta u Beogradu  
(Upravnik: prof. dr. Vasa Stanicovic).

POPESTU, R.; TOMI, P.

Analysis by gas-liquid partition chromatography of the  
monochlorinated products of C<sub>3</sub> hydrocarbons. Rev chimie  
Min petr 16 no.1:40 Ja '65.

1. PETROCHIM Institute, Ploiesti.

TOMIC, P.

Yugoslavia (430)

p. 237. INTERNATIONAL FOOTBALL MATCHES.  
(Football Association of Yugoslavia)  
Beograd. (Papers of the Ethnographic  
Institute of the Serbian Academy of  
Sciences. Summaries in foreign languages).  
Vol. 4, no. 1, 1950.

East European Accessions List, Library of  
Congress, Vol. 1, no. 13, November 1952.  
UNCLASSIFIED

"Card 2 of 2"

TOMIC, F.

Yugoslavia (430)

Geography, Anthropology, Sports  
and Games - Serials.

"Vilari" and "Vilarke" among the  
Walachian gypsies in the Velika Morava  
River region; an account of the origin  
of gypsies in Serbia, of their folk  
religion, medicine and belief in fairies.

East European Accessions List. Library of  
Congress, Vol. 1, no. 13, November 1952.

UNCLASSIFIED      "Card 1 of 2"

STEFANOVIC, Stanoje; TRAJKOVIC, Petar; TOMIC, Petar

Possibilities of oral therapy of pernicious anemia. Srpski  
arh. celok. lek. 90 no.4:393-399 Ap '62.

1. Interna klinika A Medicinskog fakulteta Univerziteta u  
Beogradu Upravnik: prof. dr. Branislav Stanojevic.  
(ANEMIA PERNICIOUS) (INTRINSIC FACTOR)

S

TOMIC, Slavko, inz.

Necessity of building the Plomin Thermoeléctric Power Plant. Energija  
Hrv 11 no.11/12:349-355 '62.

1. Zajednica elektroprivrednih poduzeca Hrvatske, Zagreb, Proleterskih  
brigada 37.

YUGOSLAVIA

TOMIC, Srećko, Department of Pathology, Dutch Cancer Institute, Amsterdam; HEIJF, Prof Dr J.F., Departmental Chairman [original-language versions not given].

"A Contribution to the Concept of Cancerous Metastasis into the Ovaries by Means of the Transcoelomic Implantation of Cancer Cells."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 6, June 1963, pp 575-581.

Abstract: [Authors' English summary modified] To confirm the existence of breast-cancer metastasis into the ovaries through reimplantation, the author discusses two cases in which microscopic examination of the ovaries disclosed the implantation of cancer cells on the surface of the ovaries. Identification of these cells as cancer cells was possible through a comparative examination of samples from different areas of the metastatic growth. The author also reports on findings from 12 other cases of metastasis in the ovaries, all of which are suggestive of the possibility of the transcoelomic invasion of the ovaries by cancer cells.

One table, three photographs, four recent Western references.

1/1

TOMIC, Srecko, dr (Sarajevo)

On untoward effects of prolonged corticosteroid therapy. Med. glas. 15  
no.4:180-185 Ap '61.

I. Patoloskoanatomski odjek Instituta za rak u Amsterdamu (Upravnik  
Instituta: prof. dr O. Müllbock)

(ADRENAL CORTEX HORMONES toxicol)

TOMIC, Srecko

Contribution to the concept of metastatic spreading of cancer to the ovary by the transcoelomic implantation of cancer cells. Srpski arh. celok.lek. 91 no.6:575-581 Je'63.

1. Patoloski odsek Instituta za rak u Amsterdamu. Sef: prof. dr. J.F. Hampe.

\*

OBRADOV, S., doc. dr.; DJUGUMOVIC, Z., dr.; TOMIC, S., doc. dr.; SELAK, I., dr.; CUSTOVIC, K., dr.

Cushing's syndrome in a rheumatoid arthritis patient following prolonged corticotherapy. Med. Glas. 18 no.11:364-366 N '64

1. Interna klinika (I) Medicinskog fakulteta u Sarajevu (Sef: prof. dr. B. Zimonjic); Institut za patolosku anatomiju Medicinskog fakulteta u Sarajevu (Sef: doc. dr. A. Nikulin).

OMEROVIC, H.; TOMIC, S.; HASANBEGOVIC, Dz.

Two cases of primary multiple malignant tumors. Med. arh. 19  
no.1s47-54 Ja-F '65

1. Otorinolaringolska klinika Medicinskog fakulteta u Sarajevu  
(Sef. Prof. dr. Gerc) i Institut za patolesku anatomiju Medi-  
cinskog fakulteta u Sarajevu (Sef. Doc. dr. A. Nikulin).

TOMIC, Srecko; PIKULA, Branko; VUKCEVIC, Smiljka

Adenosis sclerotisans mammae—a carcinoid lesion of the breast.  
Srpski arh. celok. lek. 93 no.2:207-213 F ' 65.

1. Institut za patolosku anatomiju Medicinskog fakulteta Univer-  
ziteta u Sarajevu (Upravnik: doc. dr. Aleksandar Nikulin)

MIKSIC, J.; TOMIC,S.; ZELENIKA, D.

Ethiopathogenic and clinical studies on necrosing arteritis.  
Med. arh. 19 no,1:59-64 Ja-F '65

l. Interno odjeljenje Opste bolnice u Zenici (Sef.: Dr. Janko  
Miksic).

COUNTRY	:	Czechoslovakia	H-26
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 21 1959, No.	76404
AUTHOR	:	Tomic, U.	
INST.	:	Not given	
TITLE	:	Investigation of Complex Compounds Formed by the Juice from the First Carbonation	
ORIG. PUB.	:	Listy Cukrovarn, 75, No 1, 12-14 (1959)	
ABSTRACT	:	Carbonation juices of different alkalinities were treated with different amounts of complexone III and also subjected to electrolysis for the removal of Ca(2+). The procedure used is described. The experiments have shown that a considerable fraction of the Ca in the juices is present in the form of an undissociated complex compound, calcium carbonate saccharate. It is shown that the addition of complexone to the solution leads to the decomposition of the calcium	
CARD: 1/2			
278			

COUNTRY	:	Czechoslovakia	H-26
CATEGORY	:		
ABS. JOUR.	:	ÄZKhim., No. 21 1959, No.	76404
AUTHOR	:		
EDITOR	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	carbonate saccharate; part of the Ca combines with the complexone, while the remaining Ca(2+) combines with the CO <sub>3</sub> <sup>2-</sup> which is released and precipitates in the form of CaCO <sub>3</sub> . Similar results were obtained from the electrolysis of the juices.	
			Ye. Shnayder
CARD:	2/2		

TOMIC, Zarko, inz.

Attenuation plan in the national telephone network for public traffic. Telekomunikacije 13 no.1/2;23-26 Ja-Ap '64.

TOMICIC, Viktor, mr

Packaging in the industrial production of drugs. Farmaceut  
gl Zagreb 20 no.9:338-339 S '64.

1. "Pliva" Plant of Chemical and Pharmaceutical Products,  
Zagreb.

LITRICIN, Olga; TOMIC-JOVANOVIC, Nedelja; STOJANOVIC, Dusan

Eye injuries in children. Srpski arh. celok. lek. 91 no.1:17-25  
Ja '63.

1. Klinika za ocne bolesti Medicinskog fakulteta Univerziteta  
u Beogradu Upravnik: prof. dr. Ivan Stankovic.  
(EYE INJURIES)

S

TOMIC-KAROVIC, K.

Detoxicating effect of acidophilous milk on streptomycin.  
Bul sc Youg 7 no.6:166-167 D '62.

1. Imunoloski zavod, Zagreb.

K

TOMIC-KAROVIC, K.

Effect of acidophilous milk on pneumococcus in vivo. Bul sa  
Young 7 no.6:167 D '62.

1. Immunoloski zavod, Zagreb.

TOMICA, R.  
BREZINA, Z.

SyKZ-500/2 tractor-drawn drag for grassland. p. 278.

Praha. MECHANISACE AERODELSTVI. Vol. 9, no. 12 Dec. 1959  
Praha, Czechoslovakia

Monthly list of East European Accession (EEAI) LC Vol. 9, no. 2  
Feb. 1960. Uncl.

SHOGAM, S.M.; TOMICHEVA, M.V.; LEZINA, T.A.; SUKHANOVA, Ye.N.; KOROBOVA, I.V.;  
MAKHNEV, Yu.A.

Introducing the kinetic method of determining gamma-isomers of hexa-chlorocyclohexane in dusts of hexachlorocyclohexane. [Trudy] NIUIF no.165:52-62 '59.

1. Predpriyatiye khimicheskoy promyshlennosti.  
(Cyclohexane)

TOMIC, Radmilo  
SIMIC, Sava; TOMIC, Radmilo

Thyreotoxicosis caused by castration for breast carcinoma. Srpski arh.  
celok. lek. 85 no. 6:737-742 June 57.

1. Onkoloski institut Medicinskog fakulteta u Beogradu. Upravnik:

prof. dr. M.rija Visnjic-Frajnd.

(BREAST NEOPLASMS, surg.

castration causing hyperthyroidism (Ser))

(CASTRATION, compl.

hyperthyroidism caused by castration for cancer of  
breast (Ser))

(HYPERTHYROIDISM, etiol. & pathogen.

castration for cancer of breast (Ser))

TOMIC, S., dr.

Medullary carcinoma of the breast with lymphocytic infiltrations. (A poor prognosis type of carcinoma). Med. glas. 17 no.2: 84-86 F '63.

1. Institut za patolosku anatomiju Medicinskog fakulteta u Sarajevu (Upravnik: doc. dr. A. Nikulin).  
(BREAST NEOPLASMS) (CARCINOMA)

S

[YUGOSLAVIA]

Dr S. TOMIĆ, Department of Pathology of Medical Faculty (Institut za patologsku anatomiju Medicinskog fakulteta), Head (Upravnik) Docent Dr A. NIKULIN, Sarajevo.

"Medullary Mammary Carcinoma with Lymphocytic Infiltration."

Belgrade, Medicinski Glasnik, Vol 17, No 2, Feb 63; pp 84-86.

Abstract [English summary modified] : Discursive review of Western literature: introduction, history, macro- and microscopic aspects, treatment. Three photomicrographs, 2 Western references and 1 Yugoslav personal communication.

[1/1]

TOMIC, Srecko, dr

Role of marginal biopsy of primary lesions in the prevention of  
recurrent carcinoma of the skin. Lijecn. vjesn. 83 no.5:463-467  
'61.

1. Iz Instituta za patolosku anatomiju Medicinskog fakulteta u  
Sarajevu. (SKIN NEOPLASMS diag)

TOMIC, Srecko, dr.

Needle biopsy in skeletal lesions. Med. arh. 16 no.3:49-57 My-Je  
'62.

1. Radeno na Patoloskom odsječku Instituta za rak u Amsterdamu  
(Sef Odsjeka: dr. J.F. Hampe) (Sef Instituta: prof. dr O. Muhlbock).  
(BREAST NEOPLASMS diag) (BONE AND BONES neopl)  
(BIOPSY)

TOMIC, Tomislav, ing., asistent (Beograd)

Technique of printed circuits. Elektrotehnika Hrv 3 no.4:145-149  
'60.

1. Elektrotehnicki fakultet Univerziteta u Beogradu

TOMIC, U.

"A study on complex compounds during the 1st carbonation."

LISTY CUKROVARNICKE, Praha, Czechoslovakia, Vol. 75, No. 1, January 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

KOTJELNIKOV, Ksenija, dr. ; TOMIC, Vlado, dr.

Pathological contribution to otitis media. Med. arh. 17 no.6:  
87-91 N.D '63.

1. Otorinolaringolska klinika Medicinskog fakulteta u Sarajevu  
(Sef: Prof. dr Josip Gerc).

TOMIC-DZODZO, R.

"A Paleontological Treatise of Microfauna of the Tusanj III Well near Tuzla"  
Tuzla" p. 243  
(ZBORNIK RADOVA, Vol. 22, no. 4, 1952, Beograd, Yugoslavia)

SO; Monthly List of East European Accessions, Library of Congress, Vol. 2,  
No. 19. October, 1953, Unclassified

TOMIC-B20BZ0, R.

"Contribution to the study of the II Mediterranean microfossils of the Bucvar Brook near Belgrade." p. 39. (Zbornik Radova Vol. 34, 1953. Beograd.)

SO: Monthly List of East European Accession, Vol. 3, No. 6, Library of Congress  
Feb. 1954, Uncl.

TOMIC-B20B20, R.

"Preliminary notes on results achieved in the study of microfauna from Sarmatic layers in the Belgrade terrain, including Jajinci, Rakovica, and the area south of Torlak." p. 107. (Zbornik Radova Vol. 34, 1953, Beograd.)

SO: Monthly List of East European Accession, Vol. 3, No. 6, Library of Congress,  
Feb. 1954, Uncl.

TOMIC-DZODZO, R.

TOMIC-DZODZO, R. ; VELJKOVIC-ZAJEC, K. "Tortonian microfauna from the Denin-Majdan elevation near Belgrade." p. 159. (Zbornik Radova Vol. 34, 1953, Beograd.)

SO: Monthly List of East European Accession, Vol. 3, No. 6, Library of Congress,  
Feb. 1954, Uncl.

TOMIC-JOVANOVIC, Nedelja

Sturge-Weber-Krabe syndrome. Vasculo-encephalo-trigeminal syndrome. Srpski arh. celok. lek. 90 no.4:459-464 Ap '62.

1. Klinika za bolesti ociju Medicinskog fakulteta Univerziteta u Beogradu V.d. upravnika: prof. dr. Ivan Stankovic.  
(ANGIIMATOSIS)

[ YUGOSLAVIA ]

Olga LITRICIN, Nedelja TOMIC-JOVANOVIC and Dusan STOJANOVIC, Eye Clinic of Medical Faculty of University (Klinika za ocne bolesti Medicinskog fakulteta Univerziteta), Head (Upravnik) Prof Dr Ivan STANKOVIC, Belgrade.

"Lesions of the Eye in Children."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 1, Jan 63; pp 17-25.

Abstract [French summary modified]: Review of the cases of 637 children with ocular injuries, treated between 1955 and 1961. Early treatment is essential but results depend most on type of injury (perforating and non-magnetic foreign body have worst prognosis.) Graph, 5 tables; 1 Western and 3 Yugoslav (1 unpublished) references.

[ 1/1 ]

TOMIC-JOVANOVIC, Nedelja

Megalocornea in congenital glaucoma. Srpski arh. celok. lek.  
92 no.7:745-749 Jl-Ag '64.

1. Klinika za bolesti očiju Medicinskog fakulteta Univerziteta  
u Beogradu(Upravnik: prof. dr. Ivan Stankovic).

TOMIC-KAROVIC, Krunoslava; EMILI, Hinko

Some biological observations on Shigellae with reference to their distribution in Croatia. Higijena, Beogr. 6 no.1:82-89 1954.

1. Centralni higijenski zavod, Zagreb, Mikrobioloski institut Medicinskog fakulteta, Zagreb.  
(SHIGELLA  
isolation of strains in Yugosl.

TOMIC-KAROVIC, K.; THURSKY-PSORN, M.

Two strains of *Streptococcus agalactiae* with red pigment. Higijena,  
Beogr. 6 no.2:170-172 1954.

1. Zavod za Mikrobiologiju Medicinskog fakulteta Sveucilista u  
Zagrebu, Centralni higijenski zavod MHH u Zagrebu.

(*STREPTOCOCCUS*

*agalactiae*, prod. of red pigment)

(PIGMENTS

red pigment prod. by *Streptococcus agalactiae*)

TOMIC-KAROVIC, Kruna, dr.

To Florence Nightingale, on 80th anniversary of her work. Lijec.  
vjes. 76 no.7-8:374-376 July-Aug 54.

1. Iz Zavoda za mikrobiologiju Medicinskog fakulteta i Centralnog  
higijenskog zavoda u Zagrebu.

(NURSING PROFESSION, history  
contribution of Florence Nightingale)

(BIOGRAPHIES  
Nightingale, Florence)

Y U C O S  
GERM

✓ Hemolytic Escherichia coli Proteus. Krana Tomić  
Kurović (Univ. Zagreb, 1964) and Pardalenski, Abt I, Orig. 162, 57-401 (1965). The bacilli  
activities of hemolytic Proteus and Escherichia coli  
are similar. The hemolytic degree of hemolysis is  
not strong. It is not able to cause lysis of red blood  
cells. It was found that Hemolysin was strong  
in old cultures and weak in young cultures. The  
hemolysin was not able to cause lysis of white blood  
cells. It was less able to cause lysis of red blood  
cells with younger culture. It was less able to cause  
lysis with younger culture and weakest with young culture.  
The culture sample had the same effect but also contained  
the same amount of hemolysin. The culture sample had  
the same amount of hemolysin.

TOMIC-KAROVIC K.; KRIVEC, O.; KOVACEVIC, M.

The treatment of Proteus infections of the urinary tract with  
Lactobacillus acidolphus. Acta chir.iugosl. 2 no.2-3:212-219  
1955.

1. Iz Zavoda za mikrobiologiju Med.jak Sveucilista u Zagrebu  
(Predstojnik: prof. dr. D. Filipovic) Centralnog higijenskog  
zavoda (Direktor: dr. I. Brodarac) i Urioskog odjela Bolnice  
M. Stojanovic, Zagreb(Predstojnik: prim. dr. B. Barac)

(LACTOBACILLUS  
acidolphus, in ther. of Proteus infect. of urinary  
tract (Ser))

(URINARY TRACT, infect.  
Proteus infect., ther. Lactobacillus acidophilus Kru-  
nae prep.(Ser))

(PROTEUS INFECTIONS  
urinary tract, tehr., Lactobacillus acidophilus Krunga  
prep.(Ser))

TOMIC-KAROVIC, K., Dr.

Concomitant flora of tuberculous pleurisy. Higijena, Beogr.  
8 no.2-3:131-134 1956.

1. Institute of Microbiology of the Medical Faculty in Zagreb.  
(TUBERCULOSIS, PULMONARY, compl.  
pleurisy, concomitant bact. flora (Ser))  
(PLEURISY, compl.  
tuberc., pulm., concomitant bact. flora (Ser))

TOMIC-KAROVIC, Kruna, Dr.

Etiology and therapy of otitis media. Lijec. vjes. 78 no.1-2:  
47-54 1956.

1. Iz Zavoda za mikrobiologiju Medicinskog fakulteta i  
Centralnog higijenskog zavoda NRH u Zagrebu.  
(OTITIS MEDIA,  
etiol. & ther. (Ser))

TOMIC-KAROVIC, Krunoslava; SKALOVA, Radmila; ZAGAR, Zivojin; UGRCIC, Renka;  
VODOPIJA, Alemka

The problem and appearance of resistance strains of Staphylococcus  
pyogenes. Rad. med. fak. Zagreb 8 no.1:5-25 '60.  
(STAPHYLOCOCCUS pharmacol) (ANTIBIOTICS pharmacol)

TOMIC-KAROVIC, K.

The action of lactocidin on indole, and on the urea-positive  
microbes in urology. Bul sc Youg 6 no.2:37 Je '61.

1. Zavod za mikrobiologiju Farmaceutskog fakulteta Sveucilista,  
Zagreb.

(Bactericidal action) (Milk)

TOMIC-KAROVIC, Kruna

L. acidophilus in the treatment of inflammatory processes caused by  
microbes resistant to all antibiotics. Rad. med. fak. Zagreb. 9 no.3:  
241-247 '61.  
(LACTOBACILLUS ACIDOPHILUS) (INFECTION ther)

TOMIC-KAROVIC, K.; BELICEVIC, V.; GALINOVIC-WEISGLASS, M.; CEPULIC, P.;  
LISICKAK, S.

Lactobacillus acidophilus and its role in the disappearance of  
dysenterial bacilli. Higijena 13 no.2:131-139 '61.

(SHIGELLA) (LACTOBACILLUS ACIDOPHILUS)

TOMIC-KAROVIC, K.

The effect of acidophilus milk on adult green guinea monkeys  
(Cercopithecus aethiops centralis). Bul sc Yong 9 no. 6: 162-  
163 D '64.

1. Immunologic Institute, Zagreb. Submitted July 11, 1964.

TOMIC-KAROVIC, K.; KOVACEVIC, Z.

Investigations into the effect of the antibiotic substances of  
L. acidophilus by the manometric method after Warburg. Bul  
sc Youg 9 no.6:165-166 D '64.

1. Immunologic Institute, Zagreb, and Pharmaceutical and  
Biochemical Faculty, Zagreb. Submitted July 11, 1964.

TOMIC-KAROVIC, K.; SUDIC, D.; MARJANOVIC, C.

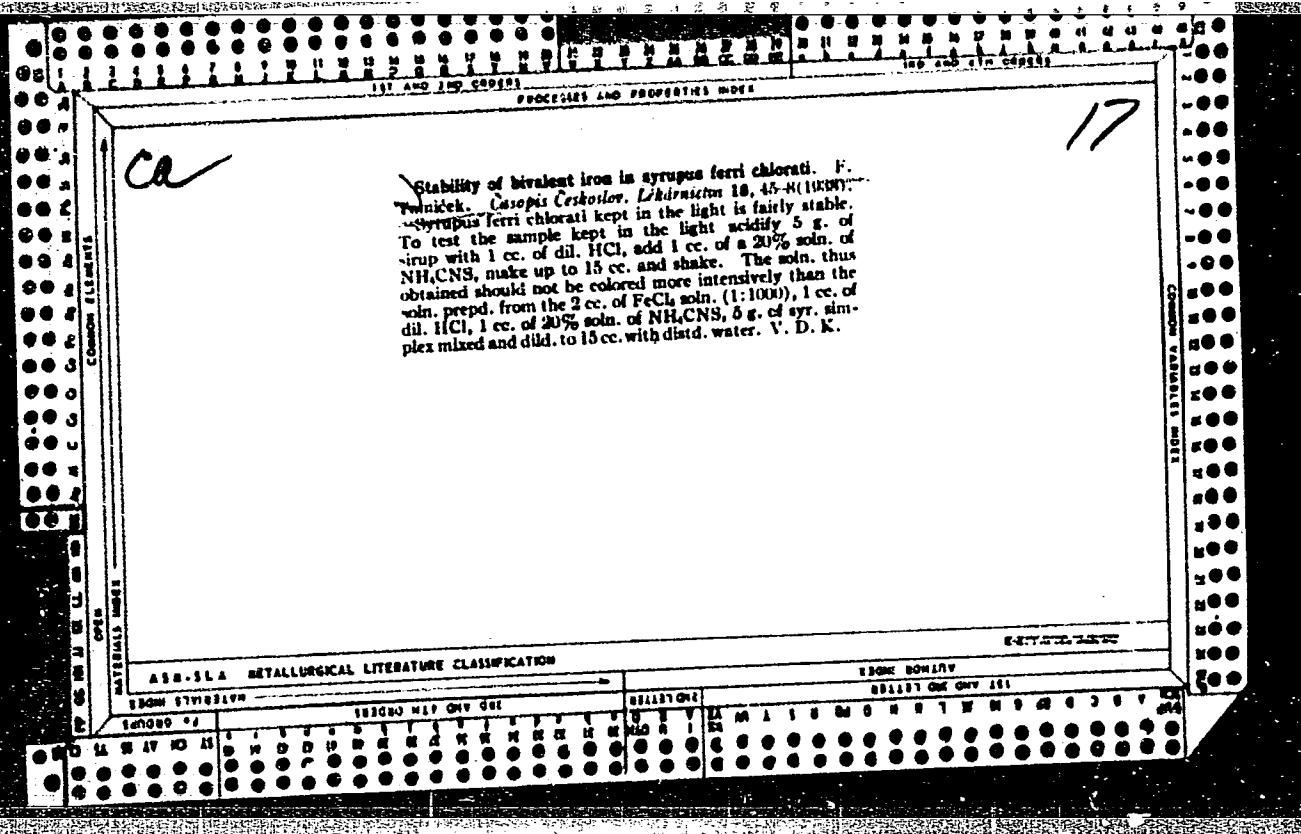
The effect of acidophilus whey in vitro and in vivo on *M. tuberculosis*. Bul sc Youg 9 no.6:163-165 D '65.

1. Immunologic Institute, Zagreb, and the Republic Institute for Health Protection, Zagreb. Submitted July 11, 1964.

TOMICEK, F.

Technologic aspects of preparation of absorbent surgical suture material.  
Cesk. farm. 2 no.9:318-323 Sept 1953. (CLML 25:4)

1. SPOFA, United Pharmaceutical Works, State Enterprise, Prague.



TOMICEK, L.

The origin and development of teaching telecommunication engineering at the Czech Institute of Technology in Prague. p. 282.

(Slaboproudý Obzor. Vol. 18, no. 5, May 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

TOMICEK, V.

Rieger, F., V. Gutwirth's Z děství naší elektrotechniky (From the Early Period of Our Electrical Engineering); a book review. p. 139. SLABOPROUDY OBZOR, Prague, Vol. 15, no. 3, Mar. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956,  
Uncl.

TOMICEK, V.

The quarter-century anniversary of Murgas' death. p. 240.  
SLABOPROUDY OBZOR, Prague, Vol. 15, no. 5, May 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,  
June 1956, Uncl.

TOMICEK, V.

Singer, A.; In memory of Rudolf Bradna. p. 598.  
Plan of topics of Slaboproudý obzor for 1955, p. (3) of cover.  
SLABOPROUDÝ OBZOR, Prague, Vol. 15, No. 12, Dec. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956,  
Uncl.

YUGOSLAVIA/Microbiology - Microbes Pathogenic in Man and Animals. F.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 6/248

Author : Tomic-Karovic, K.

Inst :  
Title : Flora Found in Tubercular Pleurisy.

Orig Pub : Higijena, 1956, 8, No 2-3, 130-134.

Abstract : A bacteriological research was made of 698 punctates taken from people sick with exudative tubercular pleurisy. From 321 of the punctates various types of bacteria, which frequently complicated the course of the infection, were isolated. These were most frequently staphylococci, diphtheroids, proteae, Flavobacter, Achromobacter, and Pseudomonas aeruginosa. PASK, cuthisone, rimiphone (isoniazide), and contebene affected only the tubercle bacillus and had no effect on the concomitant microflora. -- V.V. Vlodavets.

Card 1/1

- 6 -

TOMICA, R.

Technical maintenance of machinery for the preparation of seed beds and safety regulations. (To be contd.) p. 166. (Mechanisace Zemedelstvi, Vol. 7, No. 7, Apr. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

TOMICKA, R.

Technical maintenance of machinery for the preparation of seed beds and safety regulations. p. 237. (Mechanisace Zemedelstvi, Vol. 7, No. 10, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

SYNTH., p.

"Testing the VVPU-4 ammonia separator."

p.204 (Mechanizace Srodelektrvi, Vol. 8, no. 2, Jan 1958, Praha, Czechoslovakia)

Monthly Index of East European Accretions (MEIA), Vol. 7, No. 3, 1958

SOLC,J.; BERKA,J.; TOMICEK,J.

Pressure syringe for angiography. Cesk. rentgen. 18 no.3:  
214-215 My'64

1. Rentgenologicke oddeleni nemocnice v Semilech; Technometra,  
n.p. v Semilech.

\*

Tomich, M.

16(1)

PHASE I BOOK EXPLOITATION

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Vsesoyuznyy matematicheskiy s'ezd. 3rd. Moscow, 1956

Trudy. t. 4: Kratkoye soderzhanie sektsionnykh dokladov. Doklady Inostrennykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow). vol. 4: Summary of Sectional Reports. Vol. 4: Summary of Sectional Reports. Proceedings of Foreign Scientists. Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.

Tech. Ed.: G.M. Shevchenko; Editorial Board: A.A. Abramov, V.O. Polymandy, A.M. Vasil'yev, N.V. Medvedev, A.D. Myshkin, G.M. Nikol'skiy (Chair Ed.), L.A. Postnikova, Yu. Prothorov, K.A. Rybnikov, P.L. Ul'yanov, O.A. Upenskiy, N.O. Chetayev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.

CONTRIBUTOR: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the conference that were not included in the first two volumes. The second part contains the text of reports submitted to the conference by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the editor selected one of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory/topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

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| Poerioiu, T. (Romania). Convex functions of higher orders and the extremal term in certain approximations formulas of analysis | 164 |
| Potocnjak (Yugoslavia). On the asymptotic behavior of a sum or a trigonometric series of sines in the neighborhood of a zero   | 167 |
| Pricoci, F.G. (Italy). On the theory of confluent hypergeometric functions   | 168 |
| Payer, J. (France). On the theory of the approximation of functions: development of the theory and problems                    | 169 |
| Paul, Lo-hung (Chinese People's Republic). Harmonic analysis in classical fields   | 170 |
| Chakarov, I.M. (Bulgaria). On certain classes of univalent functions   | 172 |

Card 28/34

TUSZKIEWICZ, Alfred R.; ZATONSKA, Izabella; TGMICKI, Adam

Side effects after application of antithyroid drugs in patients treated in the Second Clinic of Internal Diseases, Medical Academy and in the District Dispensary of Thyroid Diseases in Lublin. Ann. Univ. Lublin sect. D 19:279-283 '64.

1. Katedra i II Klinika Chorob Wewnętrznych , Wydział Lekarski AM w Lublinie (Kierowniki: prof. dr. Alfred R. Tuszkiewicz) i Wojewódzka Poradnia Chorób Tarczycy, Wojewódzka Przychodnia Specjalistyczna w Lublinie (Dyrektor: lek. Bronisław Włodarski).

MALINOWSKA, Aleksandra; TOMICKI, Zenon

Liver function test and serum peptidase activity in cows with liver distomiasis. Wiad. parazyt. 8 no.3:323-329 '62.

1. Zaklad Chemii Fizjologicznej Wydz. Wet., Warszawa Klinika Chorob Wewnetrznych Wydz. Wet., Warszawa.  
(LIVER FUNCTION TESTS veterinary) (DISTOMIASIS veterinary)  
(LIVER DISEASES veterinary) (PROTEASES blood)  
(CATTLE dis)

SURNAME, Given Names

Country: Poland

Academic Degrees: [not given]

(A)

Affiliation:

Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961,  
pp 591-594

Source: pp 591-594

Data: "Bromsulfalein Test (BSF Clearance) in Liver Fluke  
Disease in Cattle."

- ✓ TOMICKI, Zenon, Clinic of Internal Diseases of the Veterinary Department  
(Klinika Chorob Wewnętrznych, Wydział Weterynaryjny), Warsaw; Director  
(Kierownik): Doc Dr Feliks Nagorski
- ✓ MALINOWSKA, Aleksandra, Institute of Physiological Chemistry of the  
Veterinary Department (Zakład Chemii Fizjologicznej, Wydział Weterynaryjny),  
Warsaw; Director (Kierownik): Doc Dr Stefan Nyrek

GPO 98164

MALINOWSKA, Aleksandra; TOMICKI, Zenon

Serum peptidase activity in dogs in normal conditions and after  
CCl<sub>4</sub> poisoning. Wind. parazyt. 7 no.2:121-128 '61.

1. Zaklad Chemii Fizjologicznej Wydz. Wet. Klinika Chorob Wewnetrznych  
Wydz. Wet., Warszawa.  
(CARBON TETRACHLORIDE toxicol) (PROTEASES blood)

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APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756220003-5"

TOMIK, Frantisek (Trnava, nemocnica, CSR.)

Appearance of laryngeal carcinoma following respiratory scleroma of long duration. Neoplasma, Bratisl. 6 no.1:62-67 1959.

I. Pathologisch-Anatomisches Institut der Militarisich-Medizinischen Akademie J. E. Purkyne, Hradec Kralove (Koniggratz).

(LARYNX, neoplasms,  
in rhinoscleroma (Ger))  
(RHINOSCLEROMA, compl.  
cancer of larynx (Ger))

SKUTIL, V.; PAYER, J.; TOMIK, F.

Multicystic aplasia of the kidney. Cas. lek. cesk. 103 no.25:  
688-690 19 Je'64

1. Oddelenie urogenitalnej tbc (vedouci :MUDr. O. Okolicany)  
Krajskej nemocnice tuberkulozy v Pod. Biskupiciach (riaditeľ:  
MUDr. K. Virsik) a Oddelenie patolog. anatomie OUMZ v Trnave  
(vedouci: MUDr. F. Tomik).

TOMIK, F.; VIDÓ, I.; NIEDERLAND, T.R.; DOBIS, J.

Studies on the activity of some serum enzymes after injuries in experimental animals. Cesk. gastroent. vyz. 15 no.6:414-419 S '61.

1. Prosektura OUNZ v Trnave, prednosta F. Tomik, a III. interna klinika lek. fak. Univ. Komenskeho v Bratislave, prednosta prof. MUDr. T.R.Niederland.

(WOUNDS AND INJURIES exper)  
(ENZYME blood)

OKOLICANY, O.; TOMIK, F.; PAYER, J.; SKUTIL, V.

Idiopathic retroperitoneal fibrosis with compression of the  
ureter. Rozhl. chir. 42 no.5:327-330 My '63.

1. Urologicke oddelenie Krajskej nemocnice tuberkulozy a chorob  
plucnych v Podunajskych Biskupiciach, veduci MUDr. O. Okolicany  
Oddelenie patologickej anatomie OUNZ v Trnave, veduci MUDr.  
F. Tomik.

(RETROPERITONEAL SPACE) (URETERAL OBSTRUCTION)  
(HYDRONEPHROSIS) (ANTIBIOTICS)

GVOZDJAK, J.; NIEDERLAND, T.R.; BACHLEDOVA, E.; TOMIK, F.; FEDORCAKOVA, A.;  
KRAMAR, T. Technical assistance: KAPLANOVA, M.

Experimental cardiomyofibrosis produced by diet (ECFD). I. Changes  
in carbohydrate metabolism of the myocardium in dynamic develop-  
ment. Cor. vasa 6 no.2:153-158 '64.

Experimental cardiomyofibrosis produced by diet (ECFD). II.  
Changes in lipid metabolism in the myocardium. Ibid.:159-163  
'64.

1. Research Laboratory of Pharmacobiochemistry, IIIrd Internal  
Clinic, Faculty of Medicine, Komensky University, Bratislava,  
Czechoslovakia.

✓

TOMIK, F.  
SURNAME, Given Names

(4)

Country: Czechoslovakia

Academic Degrees:

Affiliation: Prosecution Unit, Okres Intitute of Public Health, Head F. Tomik; (Prosektura OUNZ, prednosta F. Tomik,)Trnava.

Third Internal Clinic Med. Faculty, Comenius University,Head Prof. T.R. Niederland MD., Bratislava; (III.interna klinika lekarske Fakultete Univ.Komenskeho, prednosta prof.MUDr. T.R. Niederland, Bratislava.

Source: Prague, Ceskoslovenska Gastroentereologie a Vyziva, Vol 15, No 6, Sept 1961; pp 414-419

Data: Investigations of the Activity of some Enzymes in Serum after Injury in Experimental Animals.

TOMIK, F.,  
 VIDO, I.,  
 NIEDERLAND, T.R. MD.  
 DOBIS, J.

GPO 281643

VIDO, I.; NIEDERLAND, T.R.; TOMIK, F.

Genesis and development of experimental cirrhosis of the liver. Rev. Czech. med. 9 no.4:245-257 '63.

1. Third Medical Clinic, Medical Faculty, Comenius University, Bratislava Director: Prof. T.R. Niederland, M.D., D.Sc. Pathology Department, District Institute of National Health, Trnava Director: F. Tomik, M.D.

(LIVER CIRRHOSIS, EXPERIMENTAL)  
(CARBON TETRACHLORIDE POISONING)  
(BILIRUBIN) (SULFOBROMOPHTHALEIN)  
(THYMOL)

CZECHOSLOVAKIA

TOMIK, F., MD.

Pathological Anatomy Ward OUNZ (z patologickoanatomickeho  
oddelenia OUNZ), Trnava

Bratislava, Lekarsky obzor, No 8, 1963, pp 469-473

"Normal Structure of the Kidney in the Light of Recent  
Advances."

CZECHOSLOVAKIA

TOMIK, F., MD.

Pathological Anatomy Ward OUNZ (z patclogickoanatomickeho  
oddelenia OUNZ), Trnava

Bratislava, Lekarsky obzor, No 8, 1963, pp 457-466

"Some Newer Concepts of the Pathogenesis of the  
Nephrotic Syndrome."

TOMIK, F.

A case of generalized mucormycosis. Cas.lek.cesk. 99 no.43:  
1372-1374 21 O '60.

1. Patologickoanatomicke oddelenie KUNZ v Trnave, prednosta MUDr.  
F. Tomik.  
(MYCOSES case reports)

TOMIK, Jozef, inz.

Measuring the Esaki diode responses by active four-terminal networks. Sdel tech 13 no.2:69-71 F '65.

TOMIL'CHENKO, V.S., inzh.

Experience in surveying during the erection of river supports of the bridge across the Northern Dvina. Trans. stroi. 13 no.8t26-27 Ag '63. (MIRA 17:2)

OPTICAL PROPERTIES OF BIAXIAL MAGNETIC CRYSTALS

51-4-1-20/26

AUTHORS: Fedorov, F. I. and Tomil'chik, L. M.

TITLE: On the Theory of the Optical Properties of Biaxial Magnetic Crystals. (K teorii opticheskikh svoystv dvuosnykh magnitnykh kristallov.)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol. IV, Nr. 1,  
pp. 109-112. (USSR)

ABSTRACT: F. I. Fedorov (Refs. 1-4) developed a theory of the optical properties of magnetic crystals in an invariant form. From this theory he deduces the main laws of propagation of light in magnetic crystals of all symgonies. In the case of biaxial crystals the problem was complicated by the presence of two non-commuting tensors  $\epsilon$  and  $\mu$ . The theory can be considerably simplified by using a special "canonical" dyadic representation of tensors. In Ref. 5 such a representation of the symmetric tensor  $\epsilon$  was applied to the case of transparent non-magnetic crystals. In

Card 1/2

51-4 -1-20/26  
On the Theory of the Optical Properties of Biaxial Magnetic Crystals.

the case of magnetic biaxial crystals, the optical properties depend greatly on the non-symmetric tensor  $\gamma = \epsilon^{-1}\mu$ . A canonical dyadic representation for the latter tensor was obtained in Ref.6. The present (entirely theoretical) paper gives the main optical relationships for transparent magnetic biaxial crystals. There are 6 references, all of which are Russian.

ASSOCIATION: Belorussian State University imeni V.I. Lenin.  
(Belorusskiy gosudarstvennyy universitet im. V.I. Lenina.)

SUBMITTED: April 17, 1957.

AVAILABLE: Library of Congress.  
Card 2/2

1. Magnetic crystals-Biaxial-Optical properties

ACCESSION NR: AP4042727

S/0250/64/008/006/0379/0381

AUTHOR: Tomil'chik, L. M.

TITLE: The problem of electrodynamics with monopoles

SOURCE: AN BSSR. Doklady\*, v. 8, no. 6, 1964, 379-381

TOPIC TAGS: theoretical physics, monopole, isolated pole, electrodynamics, Dirac hypothesis, electric field, magnetic field

ABSTRACT: The author points out that much experimental work has lately been done, without result, in order to verify the Dirac hypothesis on the existence of an isolated magnetic pole. An examination of the theoretical consequences of the existence of monopoles on the present electrodynamic schemes shows that a closed electrodynamic scheme, with simultaneously present electric and magnetic fields, cannot logically be constructively derived from a potential. The author proceeds by writing down the fundamental electrodynamic equations of a field with monopoles, showing that the use of the usual lagrangian leads to two independent systems of equations, in which there is no relationship at all between the electric field and monopoles, and which are therefore not applicable to real

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ACCESSION NR: AP4042727

magnetism. He concludes that construction of an electrodynamic system with monopoles on the basis of two potentials, assuming a symmetrical form, is impossible. Orig. art. has: 11 formulas.

ASSOCIATION: Institut fiziki AN BSSR (Institute of Physics, AN BSSR)

SUBMITTED: 09Dec63

ENCL: 00

SUB CODE: EM

NO REF SOV: 001

OTHER: 008

Card 2/2

AUTHORS: Tomil'chik, L.M. and Fedorov, F.I.

SOV/51-5-4-15/21

TITLE: Optics of Absorbing Magnetic Crystals. (Optika pogloshchayushchikh magnitnykh kristallov). I. Polarization of Uniform Plane Waves (I. Polyarizatsiya odnorodnykh ploskikh voln).

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 4, pp 462-468 (USSR)

ABSTRACT: Application of invariant methods (Refs 1-8) simplifies considerably the theory of the optical properties of absorbing crystals. Such a theory is, however, incomplete without allowing for the magnetic properties of crystals. Although in transparent bodies the magnetic susceptibility is negligibly small, it may reach comparatively large values in absorbing crystals. Thus crystalline hydrates of organic and inorganic salts of rare earths and of metals of the iron group (Fe, Ni, Co) are strongly paramagnetic ( $\mu$  differs from 1 in the third decimal place) and exhibit strong magnetic anisotropy (20% of the absolute value of magnetic susceptibility). There are also many organic and inorganic diamagnetic crystals in which  $\mu$  differs from 1 only in the fourth or even sixth decimal place but which are nevertheless strongly anisotropic, e.g. graphite. In such substances the magnetic susceptibility and its anisotropy are of the same order as the anisotropy of the permittivity tensor  $\epsilon$ . The authors deal with

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Optics of Absorbing Magnetic Crystals. I. Polarization of Uniform Plane Waves. SOV/Sl-5-4-15/21

polarization of plane uniform electromagnetic waves propagated in a non-active medium with an arbitrary anisotropy of the dielectric, magnetic and conducting properties. The discussion is given in a general invariant form. The following results are obtained.

- (1) The most general case of polarization in absorbing crystals is elliptical polarization and the polarization ellipses of the transverse field vectors  $D_t$  and  $B$  are not similar and are not mutually orthogonal.
- (2) Elliptically polarized waves with similar and identically distributed ellipses of transverse vectors of induction are propagated along optical axes. (3) Circular polarization is possible only for waves propagated along optical axes, and then only in crystals whose parameters obey an additional special relationship involving the permittivity and permeability vectors. (4) Linear polarization of one of the transverse vectors produces linear polarization of the other vector. The paper is entirely theoretical. There are 15 references 8 of which are Soviet, 5 English and 2 translations.

Card 2/2

ASSOCIATION: Belorusskiy gosudarstvennyy universitet im. V.I.Lenina (Belorussian State University imeni V.I. Lenin) 1. Crystals--Magnetic factors  
SUBMITTED: October 29, 1957 2. Electromagnetic waves--Polarization

AUTHORS: Tamil'chik, L.M. and Fedorov, F.I.

SOV/51-5-5-15/23

TITLE: Optics of Absorbing Magnetic Crystals. (Optika pogloshchayushchikh magnitnykh kristallov). II. Field Vectors for Plane Waves. Refractive Indices and Optical Axes. (II. Vektory polya ploskikh voln. Pokazateli prelomleniya i opticheskiye osi)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 5, pp 601-605 (USSR)

ABSTRACT: In Part I (Ref 1) it was shown that the difference between the equations for plane electromagnetic waves in absorbing magnetic crystals and the corresponding equations for transparent magnetic crystals can be reduced to replacement of the real permittivity tensor  $\epsilon$  by a complex tensor  $\epsilon'$ . Following Refs 2, 3 it is concluded that optical properties of absorbing magnetic crystals should be determined primarily by the tensor  $\gamma' = (\epsilon')^{-1}\mu$ . The  $\gamma'$  tensor is in general complex and asymmetric, but it may be made symmetrical using the real symmetric permeability

Card 1/2

SOV/51-5-5-15/23

Optics of Absorbing Magnetic Crystals. II. Field Vectors for Plane Waves.  
Refractive Indices and Optical Axes.

tensor  $\mu$ . Using a canonical dyad representation for the tensor  $\gamma'$  the authors obtained general invariant expressions which give complex refractive indices and polarization of plane uniform monochromatic waves, as well as the directions of optical axes. The paper is entirely theoretical. There are 8 Soviet references.

SUBMITTED: December 3, 1957

1. Magnetic crystals--Optical properties    2. Electromagnetic waves  
Card 2/2    --Analysis

TOMIL'CHIK, L. M., Candidate Phys-Math Sci (diss) -- "Electromagnetic waves in conducting magnetic anisotropic media". Minsk, 1959. 14 pp (MIn Higher Educ USSR, Belorussstate U im V. I. Lenin), 150 copies (KL, No 24, 1959, 127)

TOMIL'CHIK, L.M.; FEDOROV, F.I.

Optical characteristics of absorptive magnetic crystals  
with average and rhombic syngony. Trudy Inst.fiz.i mat.  
AN BSSR no.3:142-153 '59. (MIRA 13:4)  
(Crystals--Optical properties)

SOV/70-4-4-6/34

AUTHORS: Tomil'chik, L.M. and Fedorov, F.I.

TITLE: Magnetic Anisotropy as a Metric Property of Space

PERIODICAL: Kristallografiya, 1959, Vol 4, Nr 4, pp 498-504 (USSR)

ABSTRACT: It is shown that the theory of the optical properties of homogeneous magnetic crystals can be derived from the corresponding theory for non-magnetic crystals by introducing a metric, the metric tensor  $g$  being determined by the magnetic permeability tensor  $\mu$ . A covariant tensor  $A$  is denoted by  $\overset{A}{g}$  and a contravariant tensor by  $\overset{X}{g}$ .  $(\overset{g}{g})^{-1} = \overset{g}{g}$ .  $\overset{g}{g}$  converts from a space with an orthogonal Euclidean metric to a space with some other metric. In Maxwell's equations  $E$  is a covariant vector and  $B$  a contravariant pseudovector. As  $w = 1/8\pi (ED + HB)$  is scalar,  $D$  is a contravariant vector and  $H$  a covariant pseudovector. The refraction  $m$  is a covariant vector. In this notation these quantities are denoted by  $\overset{E}{g}$ ,  $\overset{B}{g}$ ,  $\overset{D}{g}$ ,  $\overset{H}{g}$ ,  $\overset{m}{g}$ .

Card1/3

SOV/70-4-4-6/34

## Magnetic Anisotropy as a Metric Property of Space

The dielectric and magnetic permeabilities are doubly contravariant tensors  $\mu$ ,  $\epsilon$ .  $\wedge$  marks a pseudo-vector. For non-magnetic crystals, Maxwell's equations and the equation for a plane wave take the form:

$$\vec{D} = -[\hat{\vec{m}}\vec{H}] ; \quad \vec{D} = \epsilon\vec{E} ; \quad \hat{\vec{H}} = [\hat{\vec{m}}\vec{E}] ; \quad \hat{\vec{B}} = \hat{\vec{H}} .$$

For a magnetic crystal:

$$\vec{D} = -[\frac{\hat{\vec{m}}\vec{H}}{g}] ; \quad \overset{\circ}{\vec{D}} = \overset{\circ}{\epsilon}\vec{E} ; \quad \overset{\circ}{\vec{H}} = [\overset{\circ}{\vec{m}}\vec{E}] ; \quad \overset{\circ}{\vec{B}} = \mu\overset{\circ}{\vec{H}} .$$

These quantities are transformed by the metric tensor as:

$$\hat{\vec{H}} \rightarrow \frac{1}{\sqrt{|g|}} \overset{\circ}{\vec{H}} , \quad [\hat{\vec{m}}\vec{E}] \rightarrow \sqrt{|g|} [\overset{\circ}{\vec{m}}\vec{E}] , \quad \hat{\vec{B}} \rightarrow \sqrt{|g|} \overset{\circ}{\vec{B}} .$$

The sets of equations for the two cases can be made to coincide if

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Magnetic Anisotropy as a Metric Property of Space SOV/70-4-4-6/34

$$\frac{g}{|g|} = \mu \quad \text{or} \quad g = \frac{\mu}{\sqrt{|\mu|}} \quad \text{and} \quad g = \mu^{-1} \sqrt{|\mu|} .$$

This statement is proved and two examples are given.

There are 9 Soviet references.

ASSOCIATION: Institut fiziki i matematiki AN BSSR  
(Institute of Physics and Mathematics of the Ac.Sc.,  
Byelorussian SSR)

SUBMITTED: March 22, 1959

Card 3/3

YEL'YASHEVICH, M.A.; TOMIL'CHIK, L.M.; FEDOROV, F.I.

"Critique of the foundations of the relativity theory" by  
A.K. Maneev. Reviewed by M.A. El'iashevich, L.M. To-  
mil'chik, F.I. Fedorov. Usp. fiz. nauk 74 no.4:757-759  
Ag '61. (MIRA 14:8)

(Relativity (Physics))  
(Maneev, A.K.)

S/056/63/044/001/031/067  
B104/B144

AUTHOR: Tomil'chik, L. M.

TITLE: Existence of a monopole

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44,  
no. 1, 1963, 160-161

TEXT: With existence of a Dirac monopole - an isolated magnetic charge -  
the Maxwell equations have the form

$$\partial F_{\mu\nu} / \partial x_\nu = \frac{4\pi}{c} J_\mu^{(e)}, \quad \partial F_{\mu\nu}^* / \partial x_\nu = \frac{4\pi}{c} J_\mu^{(m)}, \quad (1),$$

where  $F_{\mu\nu}$  is the tensor of the electromagnetic field,  $F_{\mu\nu}^* = \frac{1}{2} \delta_{\mu\nu\sigma\sigma} F_{\sigma\sigma}$ ,  
 $\delta_{\mu\nu\sigma\sigma}$  is the Levi-Civita tensor,  $J_\mu^{(e)}$ ,  $J_\mu^{(m)}$  are the four-currents due to  
 motion of electric and magnetic charges. The behavior of the equations  
 (1) to inversion transformations is mainly determined by the properties  
 of  $J_\mu^{(m)}$ . If  $J_\mu^{(m)}$  is a pseudovector, the parity is conserved; if  $J_\mu^{(m)}$

Card 1/2